

# **National Workshop on Advanced Signal and Image Processing (WASIP- 2008)**

**11-13 December 2008, Bhubaneswar, Orissa**

Over the last two decades, there has been tremendous growth in the development and applications of signal processing algorithms. Rapid advances in communication technology, computer and information technology, and VLSI have spurred unprecedented research activities not only in the classical statistical signal processing areas, but also in emerging areas such as multimedia, wireless communications, sensor signal processing, MIMO wireless systems, and signal compression. Image and video processing, in particular, has attracted considerable attention due to the advances in imaging technology and display resolution. This has resulted in the development of many novel and innovative signal and image processing algorithms and methods. Though most of these advanced algorithms and methods are already in use in many applications, they are still out of the basic academic curricula. On this ground, Silicon Institute of Technology in Bhubaneswar is organizing a National Workshop on advanced signal and image processing (WASIP- 2008) during 11-13 December 2008. The workshop will be held in Bhubaneswar, which is the capital of Orissa and which is also home to more than 30 Engineering colleges and Institutes. The goal of WASIP-2008 is to introduce some of the advanced topics in signal and image processing to students, teachers, and industry professionals, and to encourage scientific research within these areas.

## **SCOPE**

The workshop will include presentations by eminent professors from IITs, IIITs, IISc, NITs and researchers from the industry. The topics of the presentations will encompass the following areas, but not limited to:

1. Statistical signal processing
2. Wavelets and filter-banks
3. Speech and audio processing
4. Signal processing for communications
5. Signal compression
6. Signal processing for wireless communications
7. MIMO –OFDM systems
8. Space-time signal processing
9. Sensor signal processing
10. Multimedia signal processing
11. DSP applications
12. Image/Video coding and transmission
13. Image/Video processing
14. Image/Video storage, retrieval, and authentication
15. Applications

### **Workshop date and venue**

Date: 11-13 December 2008

Venue: Silicon Institute of Technology, Patia, Bhubaneswar

### **Registration fees:**

Teachers & Research scholars : Rs.2000/-

Industry professionals : Rs.5000/-

M.Tech. students : Rs.1500/- \*

B.Tech. students : Rs.1000/- \*

\* Students have to submit bonafide certificates from the Head of their Institutions along with the registration forms.

### **Registration information:**

Participants can register by sending the registration form along with a demand draft in favour of Convener –WASIP-2008 payable at Bhubaneswar, **on or before 15<sup>th</sup> November’ 2008**. The registration form is available online at <http://silicon.ac.in/conferences>.

### **Program Chair**

Prof. P. K. Dash, Ph.D., D.Sc., FNAE, SMIEEE  
Silicon Institute of Technology, Bhubaneswar

### **Program Committee**

Prof. P. K. Dash (SIT, Bhubaneswar)

Prof. G. Panda (NIT, Rourkela)

Prof. R. K. Mishra (SIT, Bhubaneswar)

Prof. S. K. Mishra (SIT, Bhubaneswar)

Prof. G. B. Rath (SIT, Bhubaneswar)

Prof. B. Sahu (KIST, Bhubaneswar)

Prof. B. Biswal (SIT, Bhubaneswar)

Prof. B. N. Sahoo (SIT, Bhubaneswar)

Prof. L. P. Mishra (SIT, Bhubaneswar)

Prof. B.K. Panigrahi, IIT Delhi.

Prof. N.C. Sahoo, IIT Kharagpur.

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Prof. G. Rath (SIT, Bhubaneswar)

Prof. B. Biswal (SIT, Bhubaneswar)

Prof. L. P. Mishra (SIT, Bhubaneswar)

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### **Contact Address**

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**Silicon Institute of Technology, Silicon Hills, Patia,**  
**Bhubaneswar-751024**

**WASIP-2008**  
**Registration Form**

Name of the Participant : .....

Academic / Industry / Student : (provide details)

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Address for correspondence :

.....  
.....  
.....

Phone Number : ..... E-mail :: .....

I would like to participate as (mark  $\checkmark$  inside the appropriate box)

Academic / Research scholar

Industry

Student

Payment details :

DD No : ..... Date : .....

Drawn on Bank:.....

Amount :.....

Place :.....

**Signature of the Participant**